



GEOLOGIC RECONNAISSANCE MAP OF CENTRAL ALASKA RANGE

Scale 1:250,000
0 10 20 Miles
0 10 20 Kilometers
Contour interval 200 feet
Datum is mean sea level

Broken lines indicate probable topography of unsurveyed areas

1932

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NOTE—Elevations adjacent to the railroad are
based upon Alaskan railroad surveys.
Topography of northeast corner appears
approximately 200 feet too high

EXPLANATION

SEDIMENTARY ROCKS

Recent

Qsg Stream gravel

Pleistocene and Recent

Qmt Glacial moraines, outwash, and terrace gravel

Eocene or earlier

Tn Nenana gravel
(Locally consolidated high gravel and sand of green or buff color, locally silty)

Probably Eocene

Tcs Coal-bearing formation
(Soft sandstone, clay, and gravel, generally black-colored and locally containing lignite)

Eocene

Tc Cantwell formation
(Dark-colored conglomerate, sandstone, and shale, with some carbonaceous material)

Upper Jurassic or Cretaceous

JK Probable unconformity
Mainly black shale with minor amounts of thin-bedded sandstone, conglomerate, and shaly limestone

Triassic

T Argillite, slate, graywacke, minor amounts of conglomerate, sandstone, and limestone, with which are associated large and prominent flows of part Triassic and in part probably Eocene

Devonian in part

Dsg Disag Disag
Black chert, slate, and thin-bedded limestone, interbedded, and locally by massive white, gray, or greenish sandstone, quartzite, and conglomerate, containing Middle Devonian fossils (Dsg), which rest on a series of interbedded conglomerate, slate, argillite, graywacke, and thin-bedded limestone. Probably include beds both older and younger than Devonian

Undifferentiated Paleozoic rocks in Thorsfare Pass to Divide Mountain region
(Slate, shale, graywacke, quartzite, and thin-bedded limestone, on top of the massive chert and slate of the Devonian (Dsg). Relations to undifferentiated rocks on north flank of range (Fsg) unknown)

Undifferentiated Paleozoic rocks on north flank of range
(Slate, argillite, graywacke, thin-bedded limestone, shale, sandstone, and chert with some schist and gneiss. May include some Mesozoic rocks)

Pre-Devonian

ss Schist, slate, limestone, and serpentinite

Probable unconformity

bc Birch Creek schist
(Microscopic and granitic schist and phyllite. At regional scale some metamorphosed igneous material)

IGNEOUS ROCKS

Eocene and later

Tg Granite intrusive rocks
(Mainly post-Cantwell)

bt Basic lava flows and tuffs

F Fault
(T, right; B, left; down)

Antimony lode

X Gold and lead-silver lode

X Gold placer

QUATERNARY

TERTIARY

JURASSIC OR CRETACEOUS

TRIASSIC

PALEOZOIC

PRE-CAMBRIAN

TERTIARY

LATE PALEOZOIC AND EARLY MESOZOIC